

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM121517\
 Data File : BM013462.D
 Acq On : 16 Dec 2017 05:15
 Operator : SJ/JU
 Sample : I6775-20
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A65

Manual Integrations
 APPROVED

Sohil
 12/18/2017 2:09:46 PM

Quant Time: Dec 16 05:51:17 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Dec 16 05:45:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	243251	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	1067544	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	632785	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1403838	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	1150416	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	957894	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	18288	3.72	ng/uL	0.00
5) Phenol-d5	6.85	99	418823	19.90	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	249024	20.75	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	339814	20.66	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	323307	17.98	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	184380	21.78	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	201677	22.26	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	363032	19.44	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	297931	17.36	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	1201808	21.34	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	1472398	21.19	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	137785	14.08	ng/ul	0.00
57) Fluorene-d10	15.32	176	1019879	21.06	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.44	200	141255	15.99	ng/ul	0.00
70) Anthracene-d10	17.16	188	1483994	21.11	ng/ul	0.00
76) Pyrene-d10	19.46	212	1471501	25.67	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	971841	19.92	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.88	94	70660	3.396	ng/ul#	83
44) Dimethylphthalate	13.78	163	225060	4.179	ng/ul	99
47) Acenaphthylene	14.03	152	91829	1.428	ng/ul	96
69) Phenanthrene	17.11	178	198962	2.495	ng/ul	98
71) Anthracene	17.20	178	137964	1.692	ng/ul	97
74) Fluoranthene	19.13	202	354470	3.627	ng/ul#	95
77) Pyrene	19.49	202	292229	4.181	ng/ul#	94
80) Benzo(a)anthracene	21.24	228	137637m	1.886	ng/ul	
82) Chrysene	21.29	228	173158	2.557	ng/ul	97
85) Benzo(b)fluoranthene	22.81	252	226457	3.507	ng/ul#	95
86) Benzo(k)fluoranthene	22.85	252	90904m	1.496	ng/ul	
88) Benzo(a)pyrene	23.38	252	119719	2.064	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	25.70	276	141259	2.454	ng/ul#	92
91) Benzo(g,h,i)perylene	26.38	276	118196	2.604	ng/ul#	83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

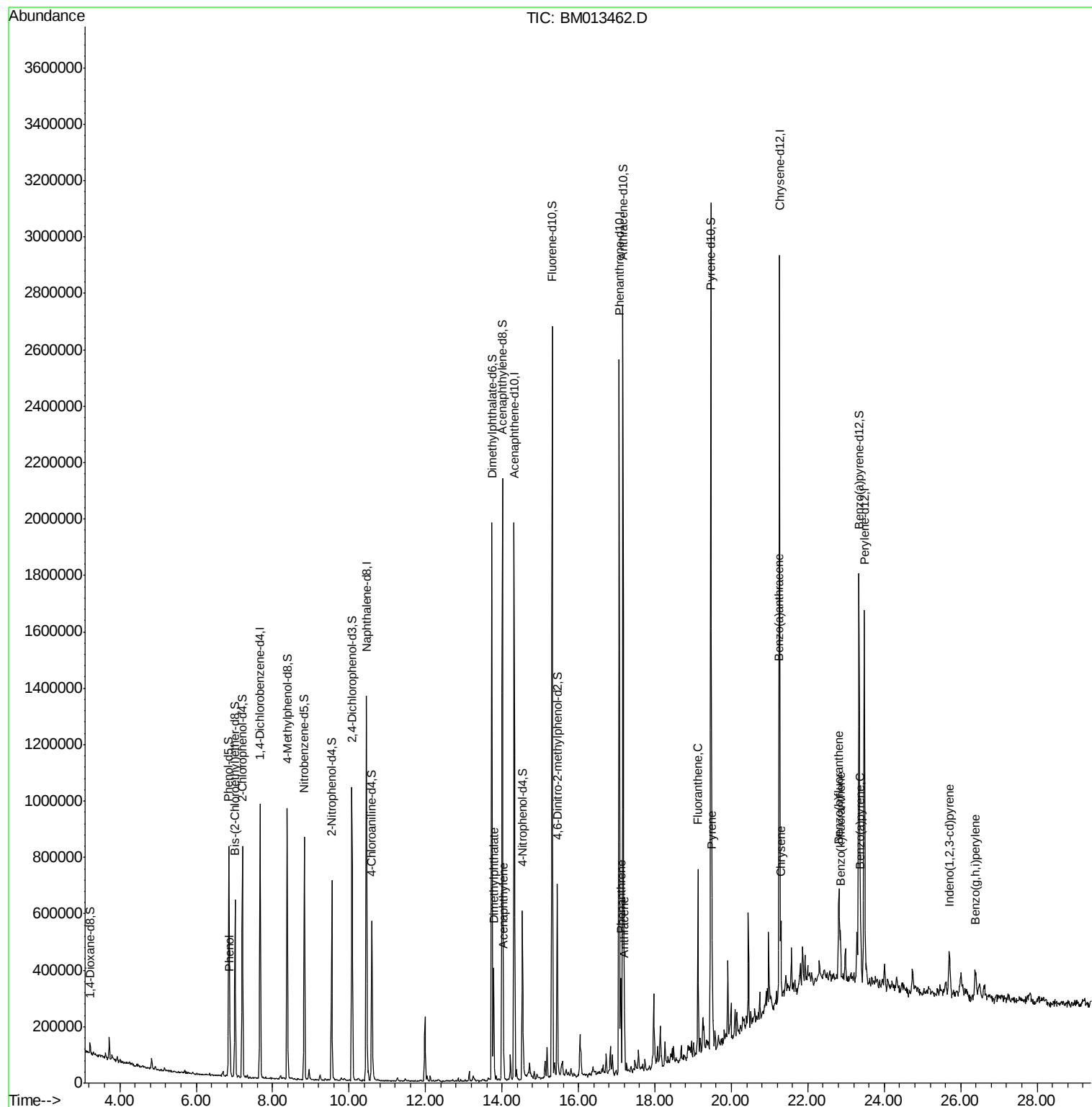
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121517\
Data File : BM013462.D
Acq On : 16 Dec 2017 05:15
Operator : SJ/JU
Sample : I6775-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

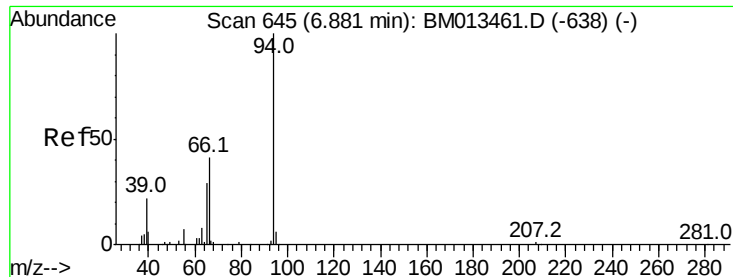
Instrument :
BNA_M
ClientSampleId :
F9A65

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Quant Time: Dec 16 05:51:17 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 16 05:45:34 2017
Response via : Initial Calibration





#6

Phenol

Concen: 3.396 ng/ul

RT: 6.88 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM013462.D

Acq: 16 Dec 2017 05:15

Instrument :

BNA_M

ClientSampleId :

F9A65

Tot Ion: 94 Resp: 70660

Ion Ratio Lower Upper

94 100

65 31.0 28.2 42.4

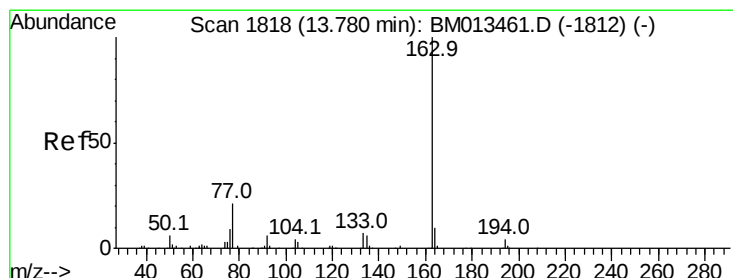
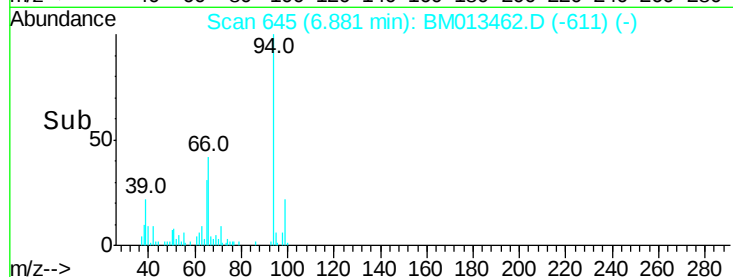
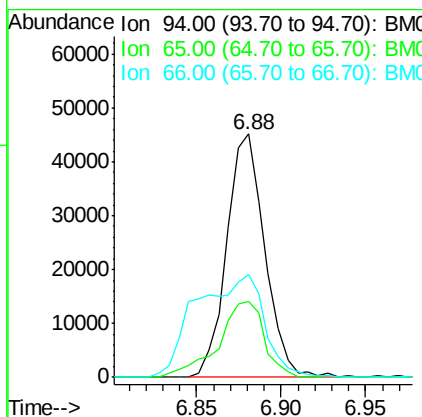
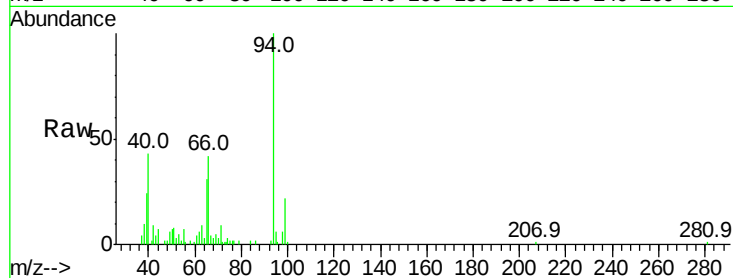
66 42.2 47.2 70.8#

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#44

Dimethylphthalate

Concen: 4.179 ng/ul

RT: 13.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BM013462.D

Acq: 16 Dec 2017 05:15

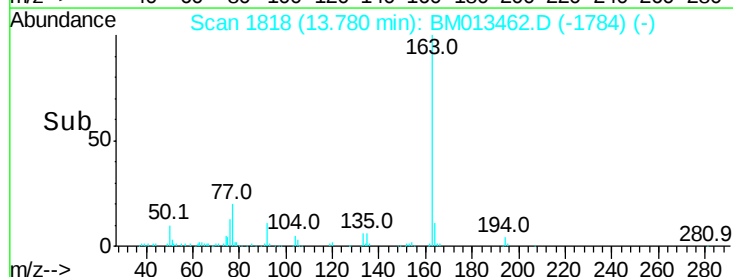
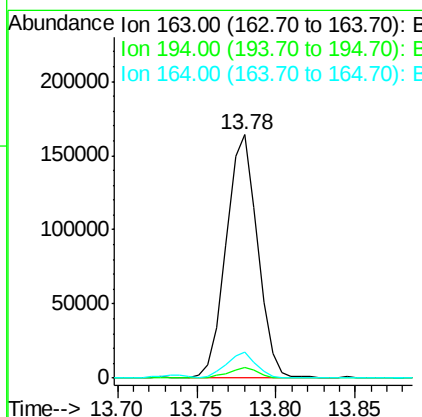
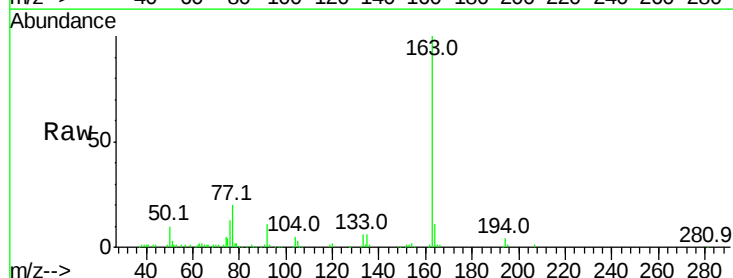
Tgt Ion:163 Resp: 225060

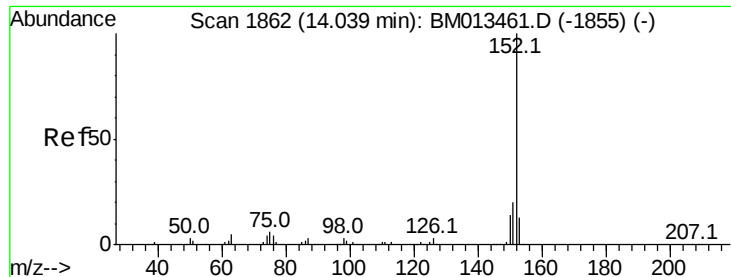
Ion Ratio Lower Upper

163 100

194 4.5 3.5 5.3

164 10.7 8.2 12.4





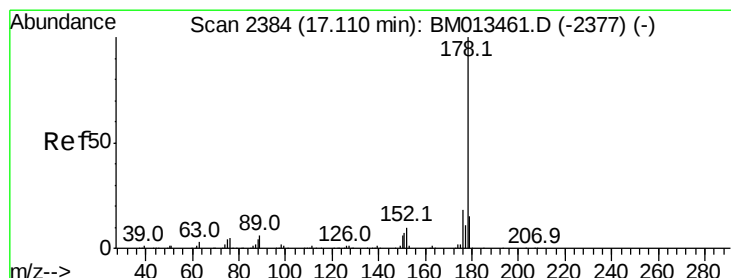
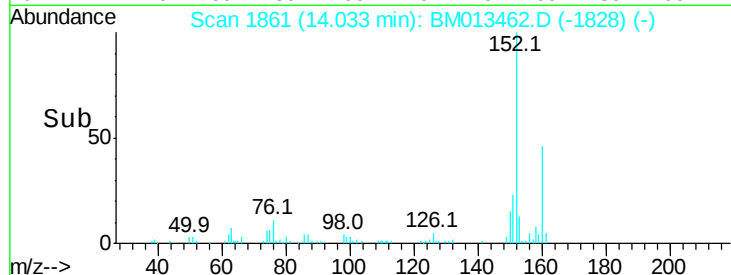
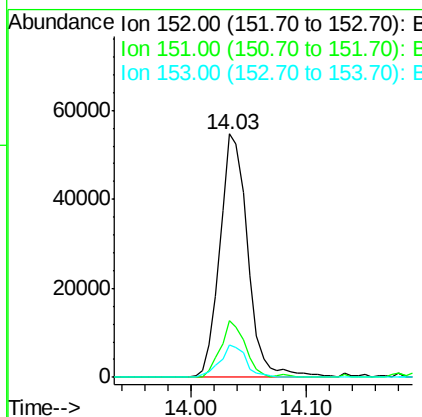
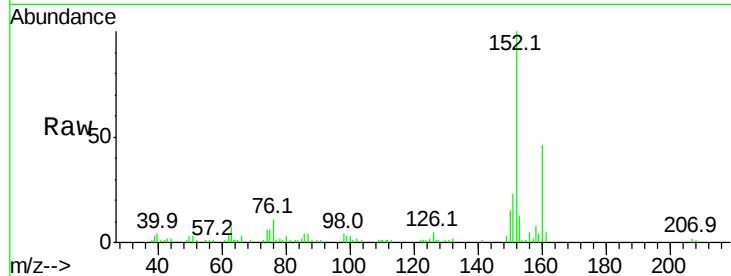
#47
Acenaphthylene
Concen: 1.428 ng/ul
RT: 14.03 min Scan# 1861
Delta R.T. -0.01 min
Lab File: BM013462.D
Acq: 16 Dec 2017 05:15

Instrument :
BNA_M
ClientSampled :
F9A65

Tot Ion	Ratio	Lower	Upper
152	100		
151	23.3	16.3	24.5
153	13.2	10.2	15.4

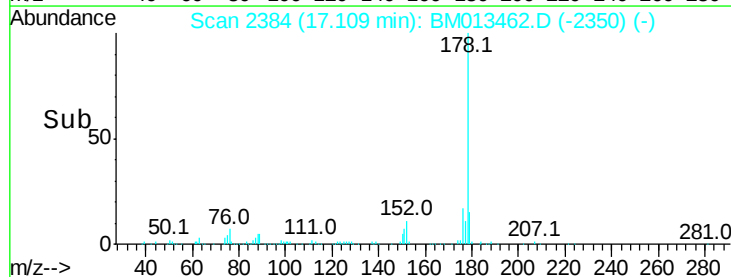
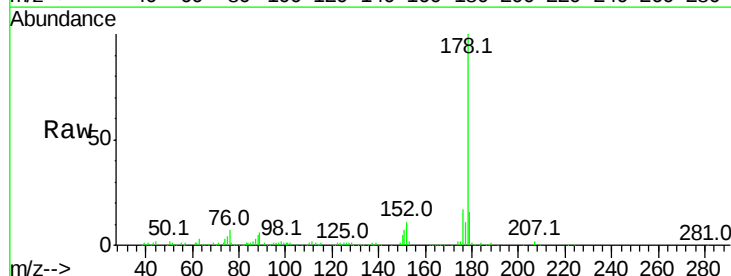
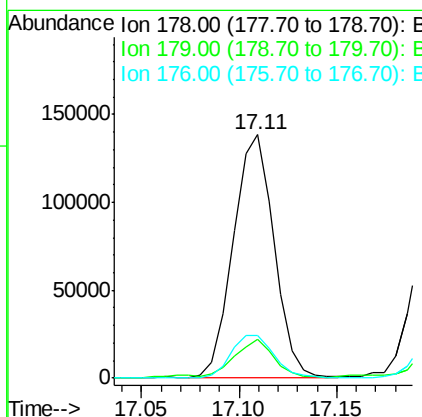
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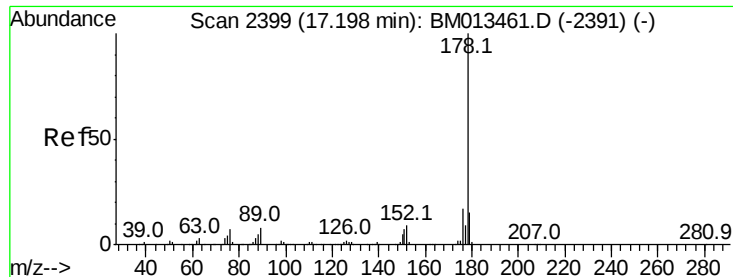
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#69
Phenanthrene
Concen: 2.495 ng/ul
RT: 17.11 min Scan# 2384
Delta R.T. -0.00 min
Lab File: BM013462.D
Acq: 16 Dec 2017 05:15

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.6	19.0
176	17.3	14.9	22.3





#71

Anthracene

Concen: 1.692 ng/ul

RT: 17.20 min Scan# 2399

Delta R.T. -0.00 min

Lab File: BM013462.D

Acq: 16 Dec 2017 05:15

Instrument :

BNA_M

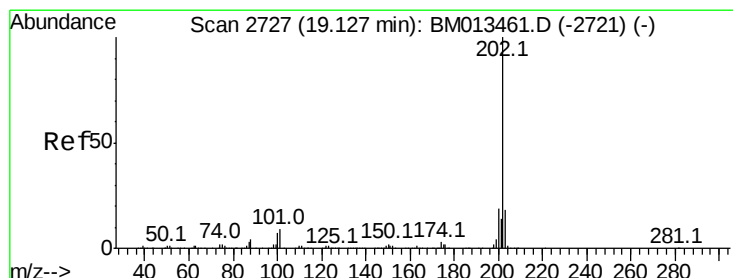
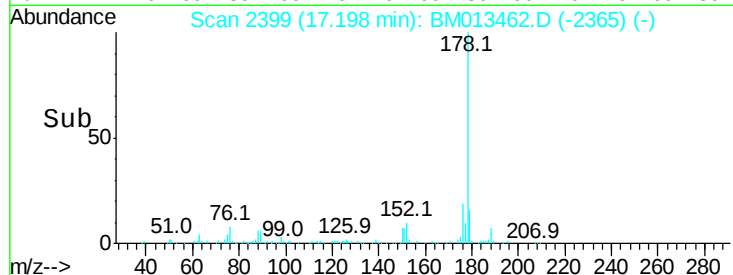
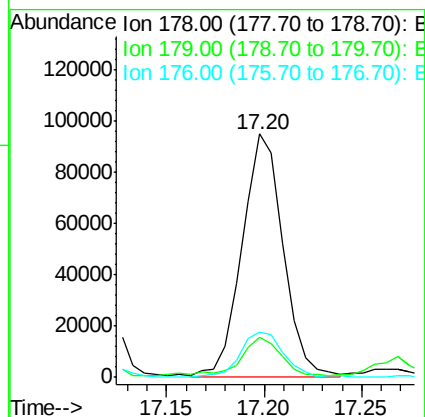
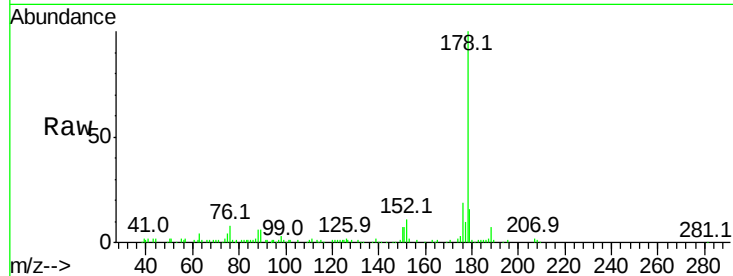
ClientSampleId :

F9A65

Tot Ion:	178	Resp:	137964
Ion Ratio	Lower	Upper	
178	100		
179	16.4	11.7	17.5
176	18.7	14.6	21.8

Manual Integrations
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#74

Fluoranthene

Concen: 3.627 ng/ul

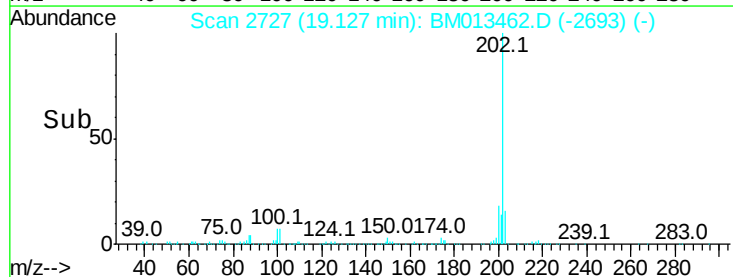
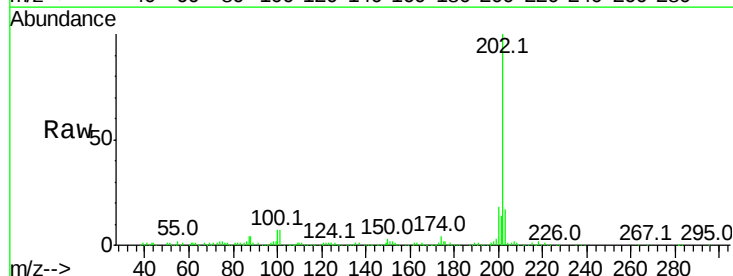
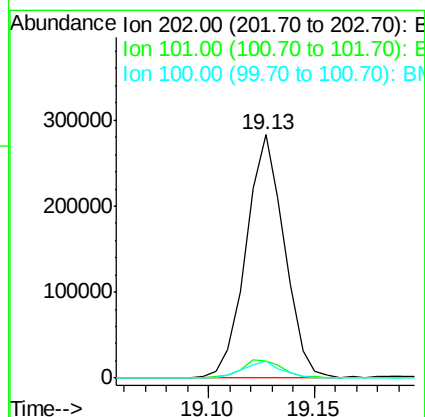
RT: 19.13 min Scan# 2727

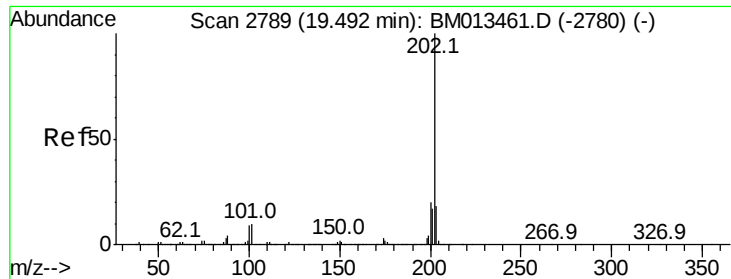
Delta R.T. -0.00 min

Lab File: BM013462.D

Acq: 16 Dec 2017 05:15

Tgt Ion:	202	Resp:	354470
Ion Ratio	Lower	Upper	
202	100		
101	6.9	4.6	7.0
100	6.9	3.4	5.2#





#77

Pvrene

Concen: 4.181 ng/ul

RT: 19.49 min Scan# 2789

Delta R.T. -0.00 min

Lab File: BM013462.D

Acq: 16 Dec 2017 05:15

Instrument :

BNA_M

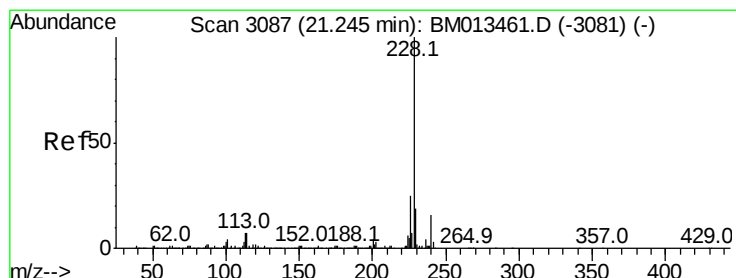
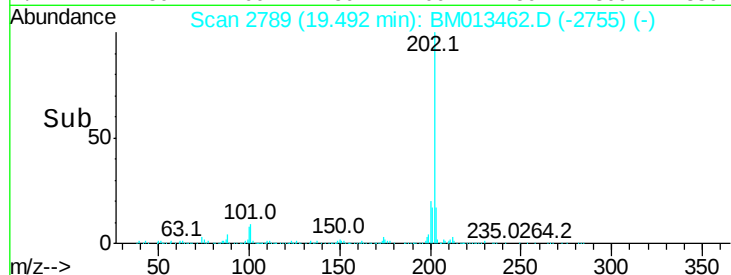
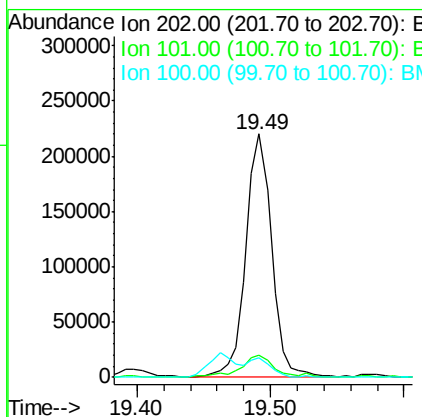
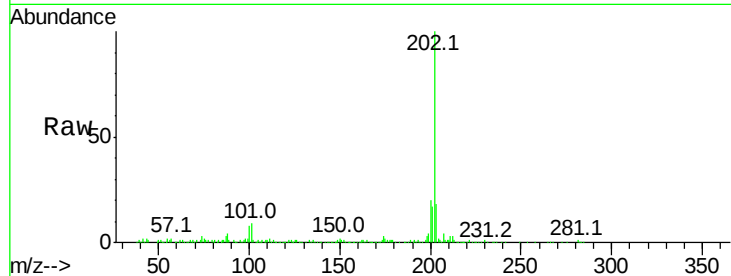
ClientSampled :

F9A65

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.9	5.1	7.7#
100	7.8	4.9	7.3#

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#80

Benzo(a)anthracene

Concen: 1.886 ng/ul m

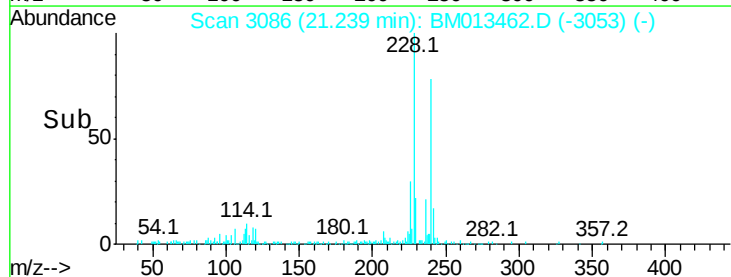
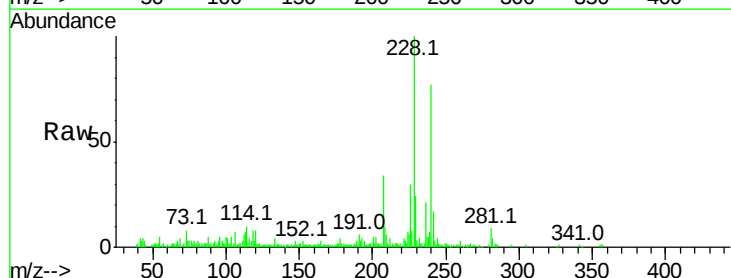
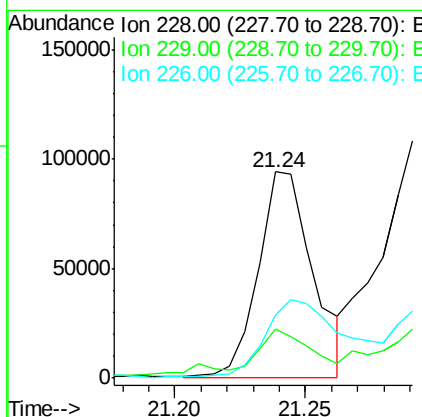
RT: 21.24 min Scan# 3086

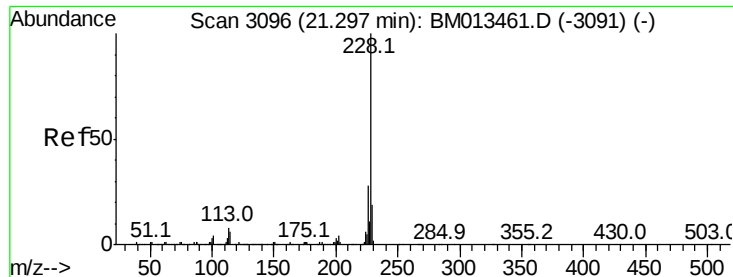
Delta R.T. -0.01 min

Lab File: BM013462.D

Acq: 16 Dec 2017 05:15

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	23.6	15.4	23.0#
226	30.3	21.4	32.0





#82

Chrysene

Concen: 2.557 ng/ul

RT: 21.29 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BM013462.D

Acq: 16 Dec 2017 05:15

Instrument :

BNA_M

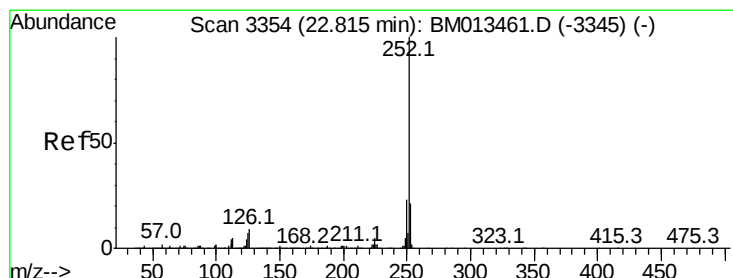
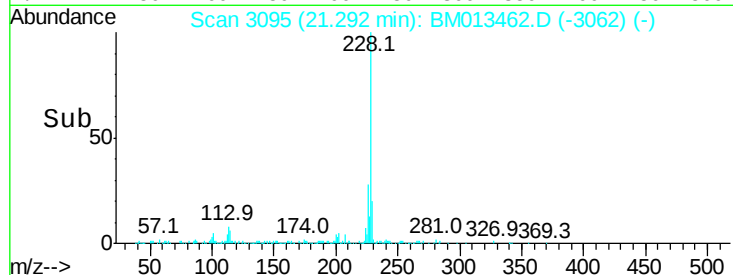
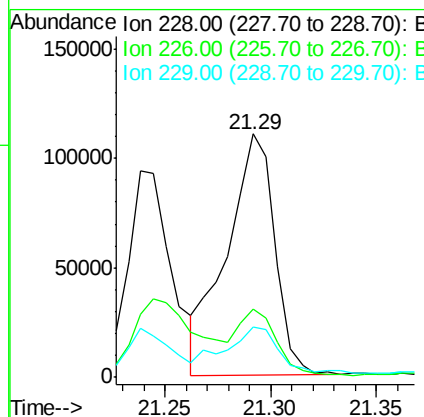
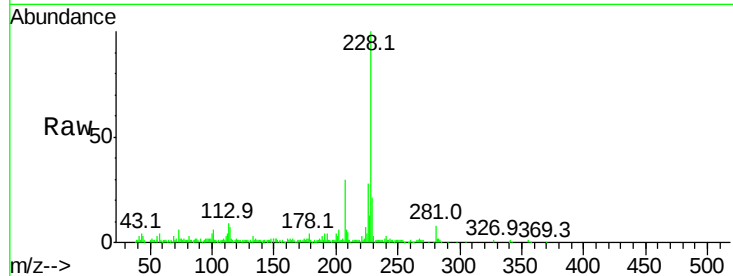
ClientSampled :

F9A65

Tot Ion:	228	Resp:	173158
Ion Ratio	Lower	Upper	
228	100		
226	27.9	23.4	35.2
229	20.6	15.5	23.3

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#85

Benzo(b)fluoranthene

Concen: 3.507 ng/ul

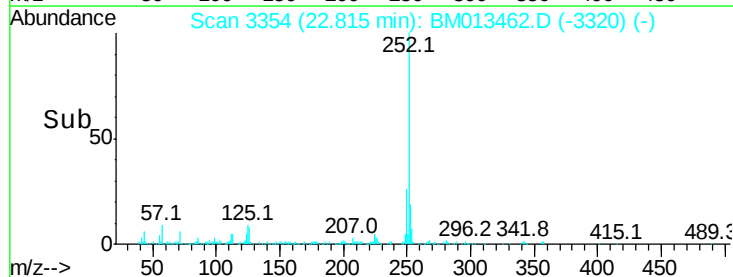
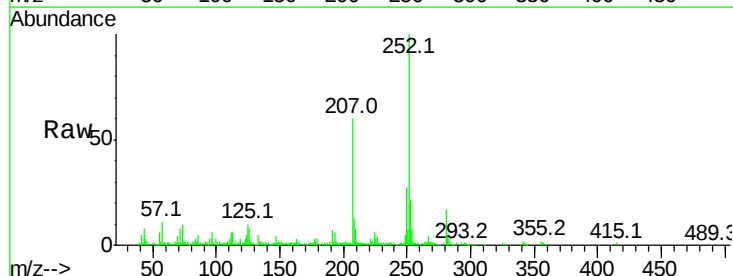
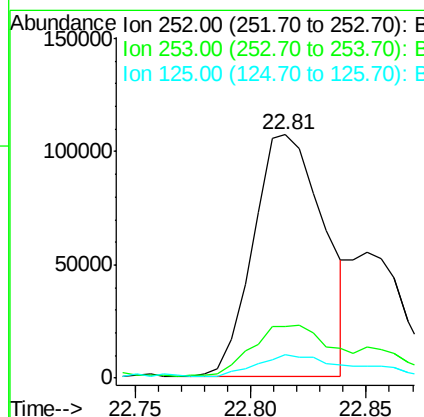
RT: 22.81 min Scan# 3354

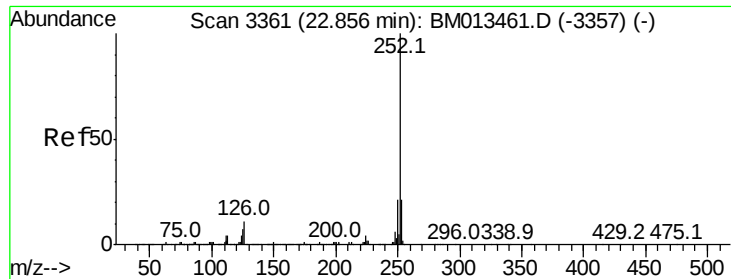
Delta R.T. -0.00 min

Lab File: BM013462.D

Acq: 16 Dec 2017 05:15

Tgt Ion:	252	Resp:	226457
Ion Ratio	Lower	Upper	
252	100		
253	21.0	17.9	26.9
125	9.7	3.6	5.4#





#86

Benzo(k)fluoranthene

Concen: 1.496 ng/ul m

RT: 22.85 min Scan# 3360

Delta R.T. -0.01 min

Lab File: BM013462.D

Acq: 16 Dec 2017 05:15

Instrument :

BNA_M

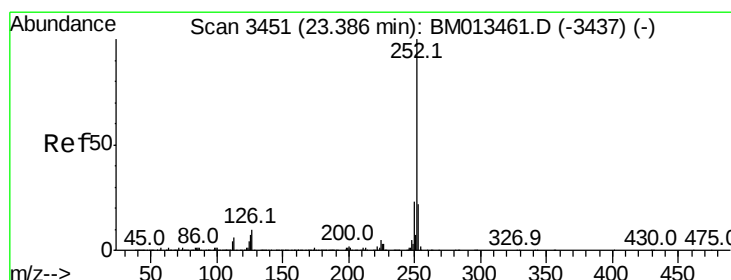
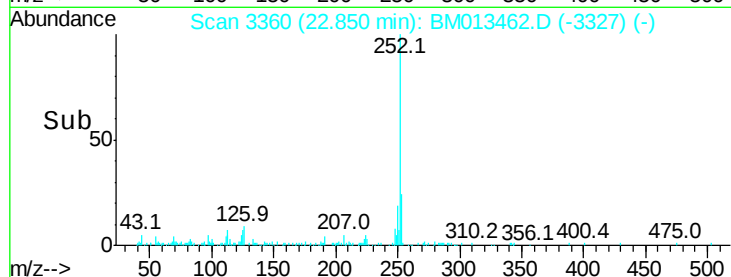
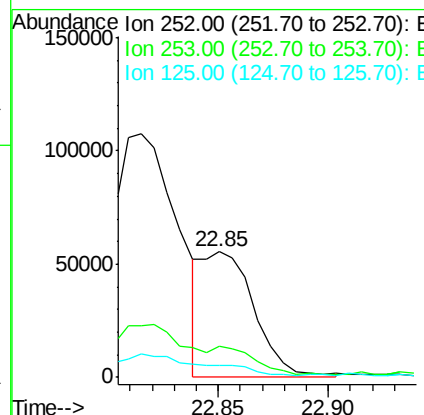
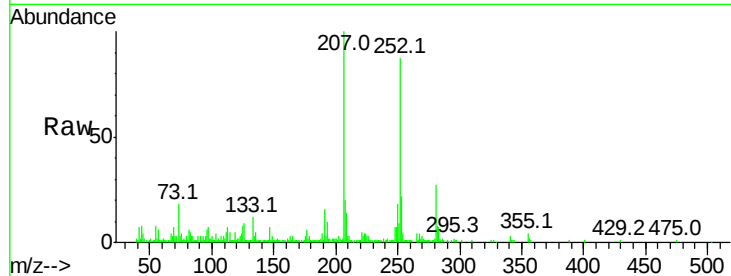
ClientSampled :

F9A65

Tot Ion:	252	Resp:	90904
Ion Ratio	Lower	Upper	
252	100		
253	25.1	17.1	25.7
125	9.1	3.4	5.2#

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#88

Benzo(a)pyrene

Concen: 2.064 ng/ul

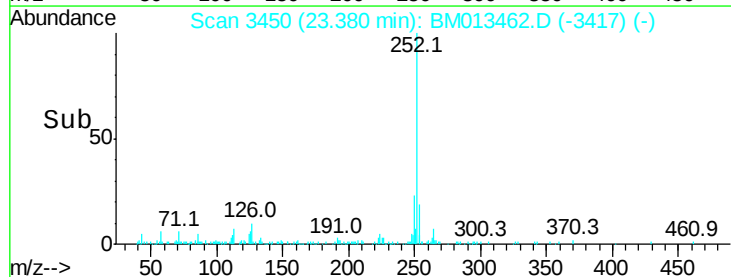
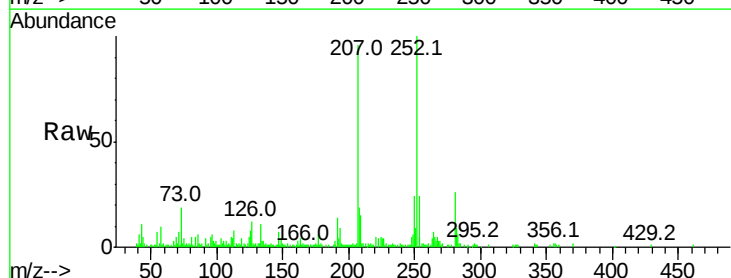
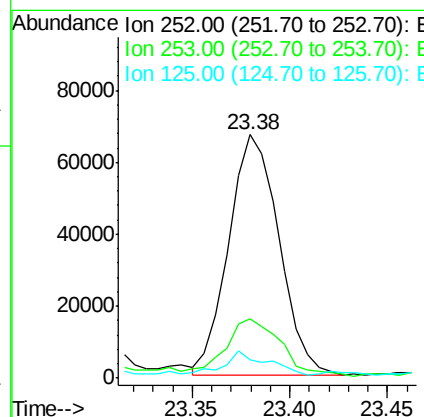
RT: 23.38 min Scan# 3450

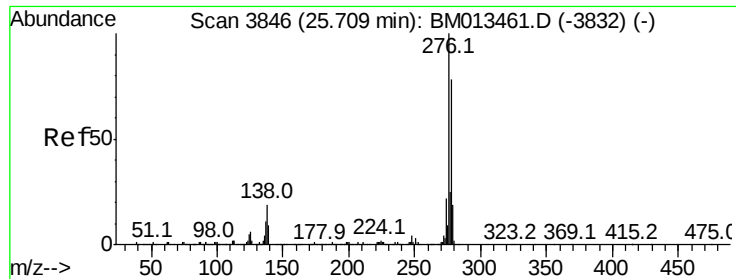
Delta R.T. -0.01 min

Lab File: BM013462.D

Acq: 16 Dec 2017 05:15

Tgt Ion:	252	Resp:	119719
Ion Ratio	Lower	Upper	
252	100		
253	24.3	18.2	27.2
125	7.6	4.0	6.0#





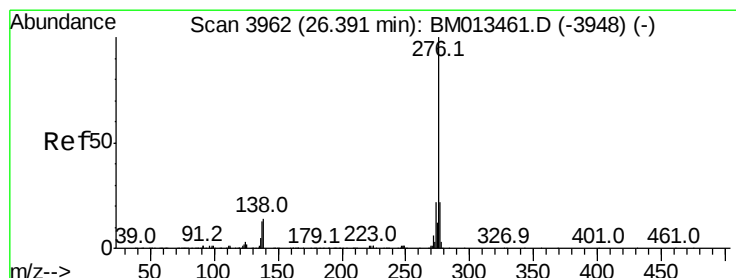
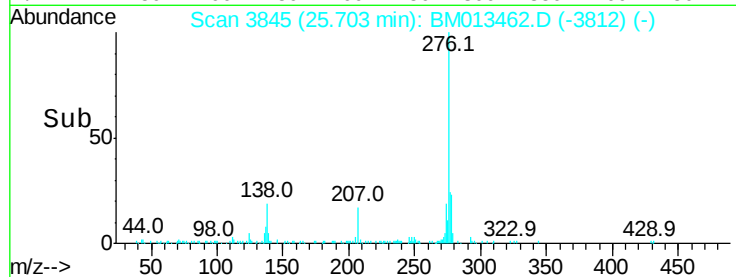
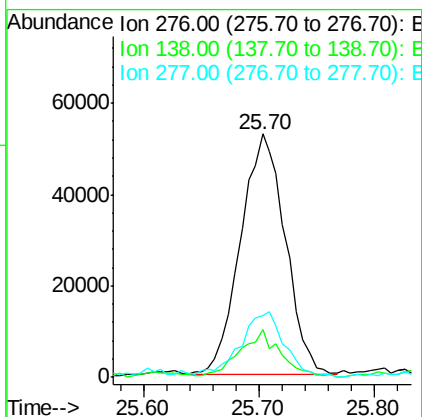
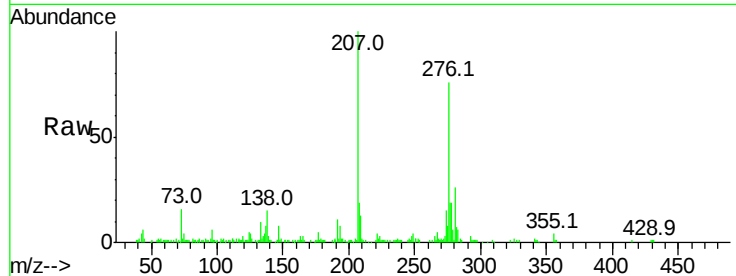
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 2.454 ng/ul
 RT: 25.70 min Scan# 3845
 Delta R.T. -0.01 min
 Lab File: BM013462.D
 Acq: 16 Dec 2017 05:15

Instrument :
 BNA_M
 ClientSampleId :
 F9A65

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.7	9.3	13.9#
277	25.6	19.9	29.9

Manual Integrations
 APPROVED

Sohil
 12/18/2017 2:09:46 PM



#91
 Benzo(g,h,i)perylene
 Concen: 2.604 ng/ul
 RT: 26.38 min Scan# 3960
 Delta R.T. -0.01 min
 Lab File: BM013462.D
 Acq: 16 Dec 2017 05:15

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.6	8.5	12.7#
277	26.2	18.6	28.0

